Fig. 1

Fig. 2

Fig. 3

FIG. 4

P3

P4

(a) RV points defined per link

P3

P4

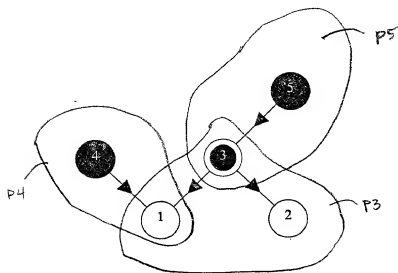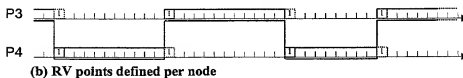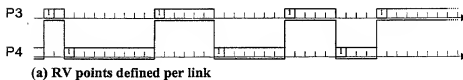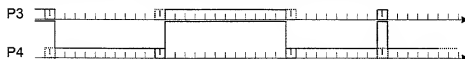(b) RV points defined per node

FIGS. 5(a) and 5(b)

P3

P4

(a) Delay between RV point and Corresponding timewindow

P3

P4

(b) Corresponding timewindow starts after next RV point

FIGS. 6(a) and 6(b)

RVPAP of node v: $f_v(x) = \sum_{I=0}^{k} a_I x^I \pmod{q}$

subframe 0   subframe 1   •••••••••   subframe q-1

Frame: 0 1 2 ..... q-1   0 1 2 ..... q-1   0 1 2 ..... q-1

$f_v(0$ $f_v(1$ $f_v(q-1)$

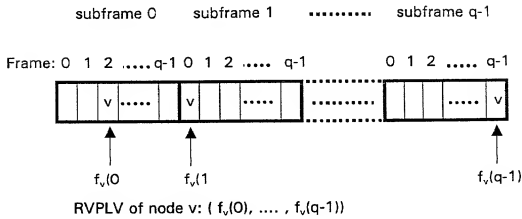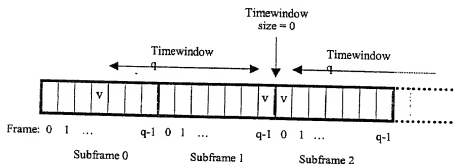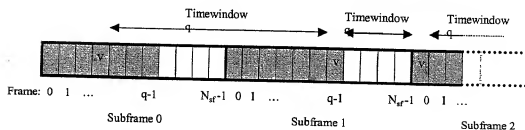RVPLV of node v: ($f_v(0)$, ... , $f_v(q-1)$)

FIG. 7

(a) $N_{sf} = q$, timewindow of size 0 possible

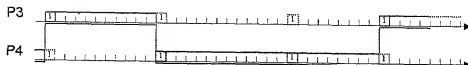(b) $N_{sf} > q$, timewindow never smaller than N_{sf}
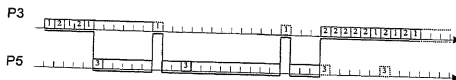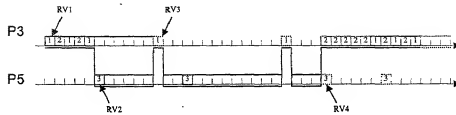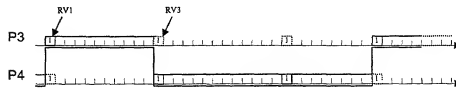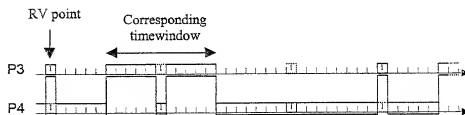- q

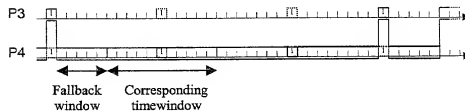FIGS. 8(a) and 8(b)

FIG. 9

FIG. 10

(a) Node 3 switching between piconets

(b) Node 1 switching between piconets

FIGS. 11(a) and (b)

(a) Node 1 switching between piconets without fallback

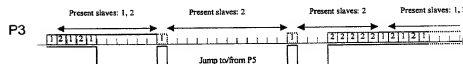(b) Node 1 switching between piconets with fallback

FIGS. 12(a) and 12(b)

FIG. 13